Appl. No. 09/760,379 Amdt. Dated Sept. 5, 2003 Reply to Final Office Action of March 11, 2003

## Amendments to the Claims:

This listing of claims will replace all prior versions, and listings of claims in the application.

## Listing of claims:

- 1. (Currently Amended) A process for the isolation and/or purification of isolating a proteinaceous material in an aqueous sample comprising the steps:
  - (a) providing an aqueous sample comprising a proteinaceous material,
  - (b) contacting the aqueous sample with a solid phase having a surface comprising on which is a mixture of hydrophobic groups and hydrophilic groups on at least one surface thereof, wherein said protein accous material binds to said at least one surface, and for binding the protein accous material to the solid phase, wherein the solid phase comprises magnetic solid particles having a diameter from ≥1 nm to ≤10 mm.
  - (c) separating off other sample components removing unbound components from the solid phase,
  - (d) eluting the proteinaceous material from the solid phase, and
- (e) removing the magnetic solid particles by magnetic separation, thereby isolating the proteinaceous material.

wherein the solid phase comprises solid particles having a diameter from 2 I nm to \$10 mm, wherein said particles are magnetic.

- 2-4. (Canceled).
- 5. (Currently Amended) The process of claim 1, wherein the particles are paramagnetic or [[/and]] ferromagnetic.

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- 6. (Previously presented) The process according to claim 1, wherein the hydrophobic groups are alkyl groups or aryl groups.
- 7. (Previously presented) The process according to claim 6, wherein the alkyl groups are at least one of a  $C_8$  alkyl and a  $C_{18}$  alkyl.
- 8. (Previously presented) The process according to claim 1, wherein the hydrophilic groups are hydroxyl groups.
- 9. (Previously presented) The process according to claim 1, wherein the molar ratio of hydrophobic to hydrophilic groups is from 10:1 to 1:10.
- 10. (Canceled).
- 11. (Previously presented) The process according to claim 1, wherein the solid phase having proteinaceous material bound thereto is subjected to at least one washing steps.
- 12. (Canceled).
- 13. (Canceled).
- 14. (Previously presented) The process according to claim 1, wherein the isolated proteinaceous material is analyzed by mass spectrometry.
- 15. (Currently amended) The process according to claim [[10]] 1, wherein the magnetic separation is automated.